Alberta

Swine Improvement Program

1990

Annual Report

Alberta AGRICULTURE
Pork Industry Branch

Agriculture Canada

ASBA
Alberta Swine Breeders Association

1990 ANNUAL REPORT

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The **Swine Improvement Program** in Alberta is a joint Federal-Provincial program for both seedstock and commercial swine producers.

The performance testing program for breeding stock producers is a two part program consisting of:

1. An "on-farm" performance test for backfat and growth rate of boars and gilts performed by provincial government staff.

2. A central station test for measuring backfat and average daily gain of boars at either the Leduc or Lacombe test stations. These are owned by Agriculture Canada but operated by the Alberta Swine Breeders Association (ASBA).

Commercial producers may use the ultrasonic home test program for the selection of boars and gilts within their herds providing they meet certain basic requirements.

The Sow Productivity and Management Program is available for either breeding stock or commercial operators to record production parameters of their sows on an individual and herd basis.

The **Alberta Swine Improvement Advisory Committee** (ASIAC) for 1990 consisted of the following members:

F.W. Schuld (Chairman), Head, Pork Industry Branch, Alberta Agriculture
G. Colpitts (Secretary), Program Officer, Implementation, Agriculture Development Branch, Agriculture Canada
A. Lange, Supervisor, Swine Improvement, Alberta Agriculture representative
C. Ormond, Alberta Agriculture appointed producer
B. Reiter, Alberta Agriculture appointed producer
W. Preugschas, Alberta Agriculture appointed producer
D. Turko, Alberta Swine Breeders Association appointed producer
J. Vandeglind, Alberta Swine Breeders Association appointed producer
W. Weber, Alberta Swine Breeders Association appointed producer
A. Toles, Alberta Pork Producers Development Corporation representative
B. Milne, Western Hog Growers Association representative

Advisory Members:

Dr. F.X. Aherne, Swine Nutritionist, University of Alberta
Dr. A.P. Sather, Animal Geneticist, Lacombe Research Station
Dr. G. Finell, Administrator, Swine Herd Health Program, Alberta Agriculture

Ex-Officio Members:

K.J. Spiller, Director, Animal Industry Division, Alberta Agriculture
L. Usher, Agriculture Development Branch, Agriculture Canada

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THE ALBERTA SWINE IMPROVEMENT PROGRAM - 1989

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Significant events in the Alberta Swine Improvement Program in 1990

1. There was considerable activity all year long to enhance the computer program that calculates ESTIMATED BREEDING VALUES (EBVs) on the computers on the participating breeders farms and in the provincial government office. Considerable strides were made to make the program more reliable and responsive to the user's needs.

2. For the first time in the history of the program the Genetics Technical Committee met in Edmonton just prior to the national board meeting. The genetics committee makes recommendations to the national board. Since there was considerable misunderstanding and distrust about EBV's, several breeders were invited to share their concerns with the genetics committee. As a result there were commitments made to provide more descriptive materials. In Alberta several new fact sheets were published. These included one explaining EBV's, another the total Swine Improvement Program. As a result of the Edmonton meeting a request also went to Agriculture Canada for more manpower to correct technical and program problems. Since then a new geneticist has been hired to work exclusively on swine.

3. The supervisor of the Swine Improvement Program and the administrator of the Swine Herd Health Program presented several producer seminars to commercial producers and industry personnel. These emphasized the importance of buying performance tested breeding stock of compatible health status. The seminars suggested buying breeding stock that is above average in performance and of a similar health status to the buyer's own. These sessions have been very well received.

   Seminar participants were asked to select breeding stock for hypothetical farms using the monthly Provincial Probe Report and the semi-annual Snout and Lung Reports.

   Thus the goals of producing pork efficiently with minimal death losses and medication costs can be achieved.

4. In preparation for the retirement of Leon and Kay Boulter (the Alberta Swine Breeders Association managerial team) several candidates were interviewed and an office was established at the Leduc Test Station. The new manager is Albert Eringfeld who was formerly in charge of the Lacombe test station.

5. For the first time the home test data is designated as purepred (P) or straightbred (grade) (G). Since the breeding stock sector is now significantly split into these two segments it is important to make this distinction.

PART A - GENERAL DATA

TABLE I

ALBERTA SWINE IMPROVEMENT PROGRAM
PERFORMANCE TESTING SUMMARY
1986 - 1990

Boars Station Tested	1986 @ 90 kg	1987 @ 90 kg	1988 @ 90 kg	1988 @ 100 kg	1989 @ 100 kg	1990 @ 100 KG
Number	638	652	574	574	839	822
Avg. Backfat (mm)	14.4	14.1	13.6	14.9	14.2	13.3
Avg. Daily Gain (30 - 90 kg)	0.91	0.90	0.90	0.90	0.93	0.97
Avg. Feed Conversion	2.48	2.47	2.44	2.44	2.44	2.33
Avg. Age (days)	144	145	143	152	151	149
Boars Home Tested						
Number	5,461	6,216	6,269	6,269	5,893	6,546
Avg. Backfat (mm)	13.8	13.3	13.0	14.2	13.9	13.1
Avg. Age (days)	155	154	153	153	165	163
TOTAL BOARS TESTED	6,035	6,868	6,843	6,843	6,732	7,368
Gilts Home Tested						
Number	11,651	12,931	12,915	12,915	10,092	11,161
Avg. Backfat (mm)	15.2	14.4	14.0	15.4	15.3	14.4
Avg. Age (days)	167	163	161	172	174	171
TOTAL PIGS TESTED	17,750	19,799	19,758	19,758	16,824	18,529

TABLE II

BOARS HOME TESTED
1980 - 1990

YEAR	NUMBER TESTED	AVERAGE BACKFAT (mm)	AVERAGE AGE AT 90 or 100kg/(days)
1980 @ 90 kg	4,207	14.6	171
1981 @ 90 kg	4,201	14.4	166
1982 @ 90 kg	4,750	13.9	162
1983 @ 90 kg	5,851	13.9	159
1984 @ 90 kg	6,164	14.1	157
1985 @ 90 kg	5,641	14.3	157
1986 @ 90 kg	5,461	13.8	155
1987 @ 90 kg	6,216	13.3	154
1988 @ 90 kg	6,269	13.0	153
1988 @ 100 kg	6,269	14.2	163
1989 @ 100 kg	5,893	13.9	165
1990 @ 100 kg	6,546	13.1	163

GILTS HOME TESTED

YEAR	NUMBER TESTED	AVERAGE BACKFAT (mm)	AVERAGE AGE AT 90 or 100 kg/(days)
1980 @ 90 kg	9,664	15.7	174
1981 @ 90 kg	9,778	15.8	174
1982 @ 90 kg	10,990	15.2	172
1983 @ 90 kg	11,809	14.8	167
1984 @ 90 kg	12,004	15.4	171
1985 @ 90 kg	12,474	15.6	169
1986 @ 90 kg	11,651	15.2	167
1987 @ 90 kg	12,931	14.4	163
1988 @ 90 kg	12,915	14.0	161
1988 @ 100 kg	12,915	15.4	172
1989 @ 100 kg	10,092	15.3	174
1990 @ 100 kg	11,161	14.4	171

FIG. 1 NUMBERS TESTED - HOME TEST

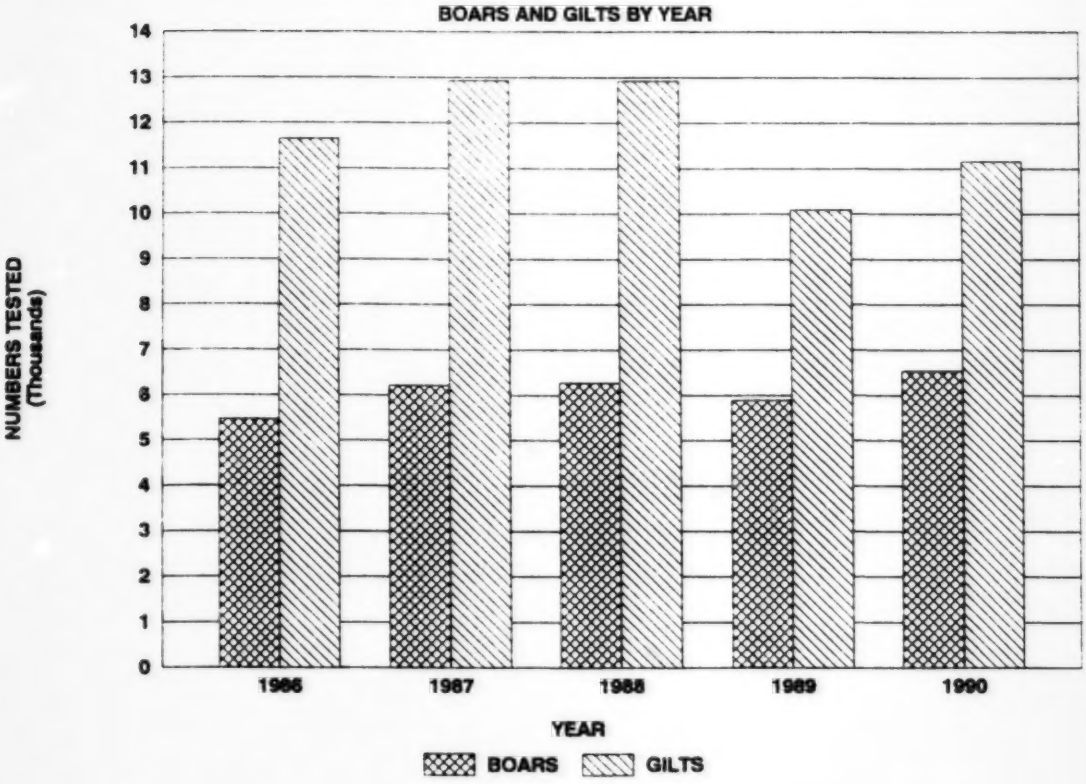


FIG. 2 BACKFAT - HOME TEST

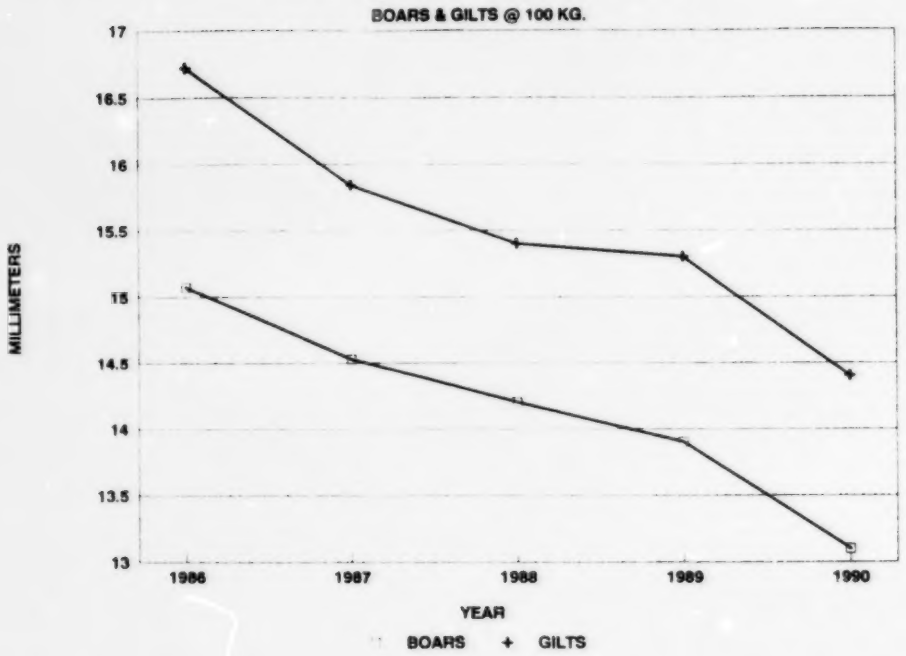
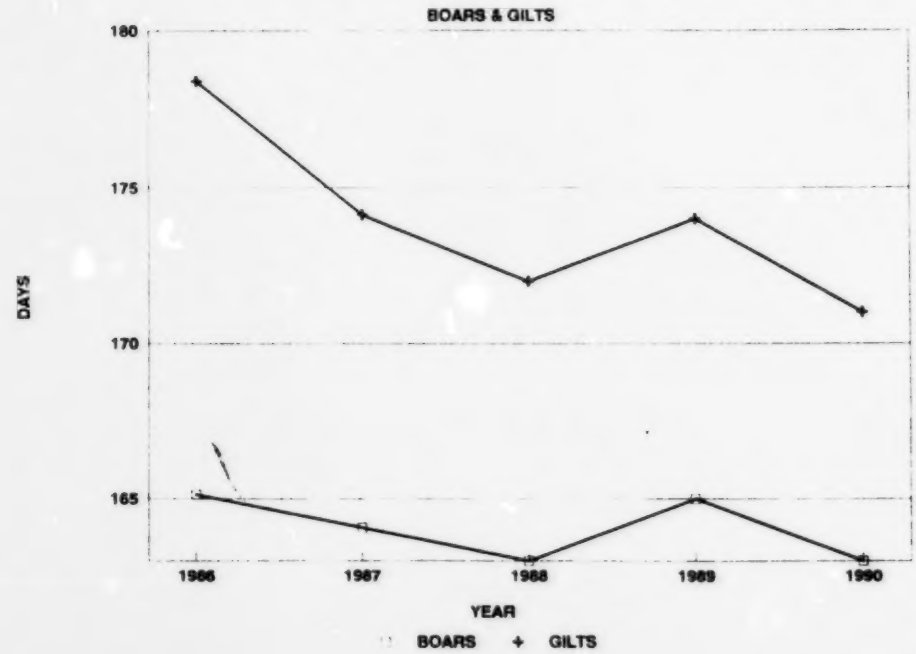


FIG. 3 AGE 100 KG - HOME TEST



YEARLY RATE OF GENETIC CHANGE FOR BACKFAT THICKNESS AND AGE TO 100 KG IN THE WESTERN CANADIAN SIP POPULATION FOR PIGS BORN FROM JANUARY 1, 1988 TO DEMEMBER 31, 1990

BREED	YORKSHIRE	LANDRACE	LACOMBE	HAMPSHIRE	DUROC
Fat (mm)	-0.8	+0.06	-0.10	-0.06	-0.04
Age (days)	-0.36	-0.56	-0.68	-0.60	-0.60

The above data is calculated using the Best Linear Unbiased Prediction (BLUP) method.

NUMBER OF RECORDS USED AND BOARS AND SOWS EVALUATED FOR EACH BREED IN WESTERN CANADA

BREED	YORKSHIRE	LANDRACE	LACOMBE	HAMPSHIRE	DUROC
Number of Records Used*	112,294	31,657	32,444	10,575	16,277
Number of Herds Represented*	295	189	85	126	142
Number of Boars and Sows Evaluated	18,824	5,134	4,082	2,253	3,560

* Includes all records and herds from 1975 to the present, from both the home and station test programs.

PART B - TEST STATION RESULTS

TABLE IV

1990 TEST STATION SUMMARY

LEDUC (NISKU) STATION

	YORKSHIRE	LANDRACE	LACOMBE	HAMPSHIRE	DUROC	CROSSBRED	TOTAL
Number Entered	247	90	38	30	36	2	443
Number Tested	245	90	38	29	36	2	440
Average Backfat at 100 kg (mm)	13.5	13.2	14.2	13.8	14.7	12.1	13.5
Average Daily Gain 30 - 90 kg (kg/day)	0.99	0.98	0.98	0.92	0.98	0.84	0.98
Feed Conversion (kg feed/kg gain)	2.29	2.37	2.31	2.43	2.25	2.73	2.32
Average Age @ 100 kg (days)	149	145	148	156	149	167	148
Number Culled	98	42	25	17	22	2	206
Number Unsold	90	20	67	7	2	0	125
Number Sold	57	28	7	5	12	0	109
Total Price	24,525	13,125	3,050	2,075	4,910	0	47,685
Average Price	430.26	468.75	435.71	415.00	409.17	0	437.48

TABLE IV

1990 TEST STATION SUMMARY

LACOMBE STATION

	YORKSHIRE	LANDRACE	LACOMBE	HAMPSHIRE	DUROC	CROSSBRED	TOTAL
Number Entered	215	75	42	22	28	0	382
Number Tested	215	75	42	22	28	0	382
Average Backfat at 100 kg (mm)	13.0	12.3	13.7	12.2	13.3	0	12.9
Average Daily Gain 30 - 90 kg (kg/day)	0.96	0.94	0.92	0.92	0.96	0	0.95
Feed Conversion (kg feed/kg gain)	2.33	2.32	2.44	2.48	2.32	0	2.35
Average Age @ 100 kg (days)	150	145	151	160	149	0	150
Number Culled	91	32	23	8	13	0	167
Number Unsold	63	23	12	8	7	0	133
Number Sold	61	20	7	6	8	0	102
Total Price	26,300	8,725	2,675	2,550	3,525	0	43,775
Average Price	431.15	436.25	382.14	425.00	440.63	0	429.17

TABLE IVa

1989 TEST STATION SUMMARY

LEDUC (NISKU) STATION

	YORKSHIRE	LANDRACE	LACOMBE	HAMPSHIRE	DUROC	CROSSBRED	TOTAL
Number Entered	317	126	40	32	16	8	539
Number Tested	308	126	39	31	16	8	528
Average Backfat at 100 kg (mm)	14.4	14.4	15.0	13.6	15.0	15.3	14.4
Average Daily Gain 30 - 90 kg (kg/day)	0.94	0.94	0.92	0.87	0.97	0.96	0.94
Feed Conversion (kg feed/kg gain)	2.35	2.42	2.43	2.52	2.38	2.41	2.38
Average Age @ 100 kg (days)	152	147	152	163	153	150	151
Number Culled	144	61	26	19	11	5	266
Number Unsold	64	22	8	4	1	1	100
Number Sold	109	43	6	9	4	2	173
Total Price	49,400	22,475	2,750	3,750	1,525	750	80,650
Average Price	455.21	522.67	458.33	416.67	381.25	375.00	466.18

TABLE IVa

1989 TEST STATION SUMMARY

LACOMBE STATION

	YORKSHIRE	LANDRACE	LACOMBE	HAMPSHIRE	DUROC	CROSSBRED	TOTAL
Number Entered	200	60	26	18	12	2	318
Number Tested	195	60	25	17	12	2	311
Average Backfat at 100 kg (mm)	13.6	14.1	15.3	12.9	13.2	20.5	13.9
Average Daily Gain 30 - 90 kg (kg/day)	0.93	0.90	0.93	0.86	0.99	0.91	0.93
Feed Conversion (kg feed/kg gain)	2.50	2.59	2.58	2.62	2.48	2.55	2.53
Average Age @ 100 kg (days)	152	148	150	162	150	143	151
Number Culled	88	37	17	11	3	2	158
Number Unsold	51	13	8	4	1	0	77
Number Sold	61	10	1	3	8	0	83
Total Price	30,450	4,225	325	1,050	3,125	0	39,175
Average Price	499.18	422.50	325.00	350.00	390.63	0	471.99

The Lacombe Test Station was re-opened by the Alberta Swine Breeders Association in December of 1988 but only half the barn was filled at that time. Thus, based on 2 pigs per pen, the testing capacity was only 320 boars, not the normal 384.

TABLE V
CULLING INFORMATION
REASONS FOR CULLING: 1990 AND 1989

	LEDUC TEST STATION				LACOMBE TEST STATION			
	1990	%**	1989	%**	1990	%**	1989	%**
Total Culled*	206	46.8	266	49.4	167	43.7	158	49.7
Performance	117	26.6	207	38.4	106	27.7	106	33.3
Feet and Legs	71	16.1	35	6.5	42	11.0	23	7.2
Underline***								
Small Testicles	6	1.4	2	0.4			2	0.6
Rupture			2	0.4				
Abscess								
Died	2	0.5	5	0.9				
Shaking	1	0.2			1	0.3	4	1.3
Returned to Breeder								
Bloody Urine					1	0.3		
Ridgling	1	0.2	2	0.4	1	0.3	1	0.3
Enlarged Sheath	4	1.0	1	0.2	2	0.5		
Ulcers								
Prolapsed Anus					2	0.5		
Undershot Jaw								
Illness	1	0.2	3	0.6	3	0.8	3	0.8
Lack of Condition			2	0.4	2	0.5	2	0.6
Sent to Lab								
Halothane Reactors	2	0.5	4	0.7	2	0.5	5	1.6
Halothane Sibs****	1	0.2	2	0.4			6	1.9
Halothane Carrier****	3	0.7	1	0.2	2	0.5	3	0.9
Other					3	0.8	3	0.9
TOTAL ENTERED	440		539		382		318	

* Total pigs culled may be for one or more reasons.
** % shown is calculated as a proportion of total pigs entered.
*** Boars with defective underlines are not culled but moved to the end of the sale order and announced as such to the buyers.
**** Starting in 1989, sibs of halothane reactors were not castrated, but fed out and then marketed for slaughter. Also, progeny from known halothane carriers were blood typed and had to be "clean" before being sold or otherwise were culled.

TABLE VI
TEST STATION
BOAR SALE ACTIVITY IN ALBERTA
1980 - 1990

YEAR	LOCATION	NUMBER SOLD	TOTAL SALES ($)	AVERAGE PRICE ($)
1990	Leduc	109	47,685	437.48
	Lacombe	102	43,775	429.17
		211	91,460	433.46
1989	Leduc	173	80,650	466.18
	Lacombe	83	39,175	471.99
1988	Leduc	168	79,950	577.56
The Lacombe station was closed March 31 to December 1, 1988.				
1987	Leduc	120	61,875	515.63
	Lacombe	118	59,285	502.42
		238	121,160	509.08
1986	Leduc	111	55,835	503.02
	Lacombe	109	54,650	501.38
		220	110,485	502.20
1985	Leduc	81	34,055	420.42
	Lacombe	105	48,360	460.57
		186	82,415	443.09
1984	Leduc	129	61,435	476.24
	Lacombe	138	68,470	496.16
		267	129,905	486.54
1983	Leduc	95	40,160	422.74
	Lacombe	128	60,355	471.52
		223	100,515	450.74
In 1983, Leduc station missed one fill due to interior renovations.				
1982	Leduc	143	63,765	445.91
	Lacombe	136	69,235	509.08
		279	133,000	476.70
1981	Leduc	77	35,435	460.19
	Lacombe	154	81,930	532.01
		231	117,365	508.07
1980	Leduc	100	38,190	382.00
	Lacombe	135	66,590	493.00
		235	104,780	437.50

PART C: HOME TEST RESULTS

TABLE VII
ALBERTA SWINE HOME TESTING ACTIVITY - 1990 SUMMARY
SEEDSTOCK FARMS SECTION (40 Herds)

NUMBER OF PIGS TESTED PER FARM	NUMBER OF BREEDERS	% OF BREEDERS	TOTAL NUMBER OF PIGS	% OF PIGS
20 or less	1	3	15	0.1
20 - 50	3	7	120	0.8
51 - 100	5	13	443	2.7
101 - 200	7	17	972	6.1
201 - 500	13	33	4,136	25.7
501 - 1000	7	17	4,637	28.9
1001 +	4	10	5,743	35.7
TOTAL	40	100	16,066	100.0

TABLE VII (a)
ALBERTA SWINE HOME TESTING ACTIVITY - 1990 SUMMARY
COMMERCIAL FARMS SECTION (9 HERDS)

NUMBER OF PIGS TESTED PER FARM	NUMBER OF BREEDERS	% OF BREEDERS	TOTAL NUMBER OF PIGS	% OF PIGS
20 or less	1	11	15	1.0
20 - 50	1	11	29	1.8
51 - 100	3	34	229	13.9
101 - 200	1	11	126	7.7
201 - 500	2	22	675	41.1
500 & over	1	11	567	34.5
TOTAL		100.0	1,641	100.0

TABLE VIII
SEEDSTOCK FARMS
40 Active Herds

BREED	BOARS NUMBER TESTED	BOARS AVERAGE BACKFAT @ 100 KG (MM)	BOARS AVERAGE AGE @ 100 KG (DAYS)	GILTS NUMBER TESTED	GILTS AVERAGE BACKFAT @ 100 KG (MM)	GILTS AVERAGE AGE @ 100 KG (DAYS)
Yorkshire (P)	2244	12.9	164	2984	14.1	173
Yorkshire (G)	394	12.5	161	1431	13.9	172
Landrace (P)	734	13.4	159	1032	14.5	166
Landrace (G)	84	12.5	161	251	13.6	172
Lacombe (P)	496	13.8	164	626	15.0	171
Hampshire (P)	440	12.0	181	473	13.3	186
Hampshire (G)	21	12.9	159	15	14.4	178
Duroc (P)	505	14.0	163	381	15.3	169
Duroc (G)	64	12.2	162	89	13.6	170
Red Wattle (P)	56	16.5	186	62	18.9	193
Crossbred	1460	13.2	155	2224	14.3	166
TOTAL	6498	13.1	163	9568	14.3	171

P = Purebred G = Grade or Straightbred

COMMERCIAL FARMS
9 Active Herds

Yorkshire (P & G)	19	14.0	178	39	14.5	180
Landrace (G)	7	11.8	171	7	13.5	181
Lacombe						
Hampshire						
Duroc						
Red Wattle						
Crossbred	22	12.8	156	1547	15.4	174
TOTAL	48	13.1	167	1593	15.4	174
OVERALL TOTALS	6546	13.1	163	11,161	14.4	171

TABLE IX

HOME TEST AVERAGES BY BREED AND SEX

Feeding, management and environmental factors under which pigs are home tested can vary significantly between the various herds, and limited numbers do not reflect true averages, so the following herd averages should not be considered a measure of the genetic merit of the pigs tested in each herd. All pigs listed are marked as purebred (P) or (G) for grade or straightbred.

SEEDSTOCK HERDS
YORKSHIRE

BREEDER	SEX	NUMBER TESTED	AVERAGE BACKFAT (MM) @ 100 KG	AGE TO 100 KG (DAYS)
Acadia Breeders (P)	M	54	13.4	165
	F	77	14.6	168
Barrett, R. (P)	M	30	14.2	156
	F	56	15.2	168
Bloomsbury Farms (P)	M	152	14.4	160
	F	191	16.6	166
Blue Diamond Enterprises (P)	M	9	16.2	154
	F	11	18.3	169
Braat, J. (P)	M	75	12.7	154
	F	228	13.9	164
Brownlee, J. (P)	M	104	13.5	171
	F	84	14.2	176
Deschner Hog Farm (P)	M	18	12.5	177
	F	12	12.9	182
Eringfeld, B. (P)	M	38	13.4	180
	F	99	13.7	193
Five Lakes Farms (P)	M	279	12.0	182
	F	325	12.7	186
Gwynne Vista Farm (P)	M	115	12.1	175
	F	253	13.2	183

YORKSHIRE (con't)

BREEDER	SEX	NUMBER TESTED	AVERAGE BACKFAT (MM) @ 100 KG	AGE TO 100 KG (DAYS)
Huvenaars, A. (P)	M	179	11.5	162
	F	179	12.5	169
Kemm, F & V (P)	M	1	9.2	178
	F	3	12.1	170
Knobben, G. (P)	M	27	12.9	175
	F	21	12.8	188
Knobben, J. (P)	M	43	12.9	165
	F	40	13.8	172
Maschmeyer, D & G. (P)	M	116	14.2	151
	F	153	15.2	161
Matejka, G. (P)	M	237	12.0	158
	F	132	12.8	166
Milne, B. (P)	M	184	11.6	152
	F	204	12.9	159
Montgomery, Wm (P)	M	1	12.1	193
	F	24	15.6	193
Neufeld Farms (P & G)	M	82	14.4	150
	F	30	14.4	160
Norest Farms (P)	M	9	13.3	178
	F	4	17.2	181
Northridge (P)	M	4	10.9	145
	F	4	12.9	147
Papenhuyzen, C. (Sr) (P)	M	44	13.6	184
	F	60	15.6	187
Reiter Farms (P)	M	153	13.2	162
	F	240	14.5	172
Roeske, M. (P)	M	74	12.5	161
	F	237	13.5	173
Thiessen, R. (P)	M	35	15.4	163
	F	30	16.1	162
Turko, D. (P)	M	51	15.1	172
	F	66	15.6	179

YORKSHIRE (con't)

BREEDER	SEX	NUMBER TESTED	AVERAGE BACKFAT (MM) @ 100 KG	AGE TO 100 KG (DAYS)
Vandenberg, J. (P)	M	64	14.2	163
	F	67	15.6	170
Weber Farms (P)	M	66	14.0	170
	F	154	15.8	175
Groot, C. (G)	M	23	11.5	163
	F	89	12.9	168
Klok, P. (G)	M	3	11.5	164
	F	9	13.1	171
Ranchview Test Barn (G)	M	212	12.6	161
	F	401	13.9	170
Ranchview "B" (G)	M	156	12.5	162
	F	932	14.0	173

SEEDSTOCK
LANDRACE

BREEDER	SEX	NUMBER TESTED	AVERAGE BACKFAT (MM) @ 100 KG	AGE TO 100 KG (DAYS)
Acadia Breeders (P)	M	80	12.8	165
	F	151	14.3	168
Barrett, R. (P)	M	74	13.7	147
	F	92	14.8	155
Blue Diamond Enterprises (P)	M	45	16.2	161
	F	89	16.9	169
Braat, J. (P)	M	11	14.9	148
	F	13	15.6	162
Deschner Hog Farm (P)	M	6	14.6	172
	F	3	13.3	186
Duff, D. (P)	M	64	15.4	155
	F	142	16.2	161
Eringfeld, B. (P)	M	9	12.0	191
	F	6	12.0	201
Hinrichsen, H. (P)	M	6	11.2	155
	F	9	10.9	171
Huvenaars, A. (P)	M	26	13.6	157
	F	44	14.4	165
Knobben, G. (P)	M	14	13.0	162
	F	8	13.1	162
Knobben, J. (P)	M	8	13.1	165
	F	10	13.9	168
Lakeland College (P)	M	78	13.1	174
	F	140	13.5	179
Maschmeyer, G. (P)	M	16	13.9	148
	F	34	15.7	156
Matejka, G. (P)	M	53	13.2	160
	F	23	13.3	168
Milne, B. (P)	M	100	10.9	148
	F	92	12.4	153

LANDRACE (con't)

BREEDER	SEX	NUMBER TESTED	AVERAGE BACKFAT (MM) @ 100 KG	AGE TO 100 KG (DAYS)
Montgomery Wm (P)	F	6	15.4	186
Neufeld Farms (P)	M	23	14.1	145
	F	10	15.4	149
Norest Farms (P)	M	28	14.2	176
	F	24	16.2	181
Reiter Farms (P)	M	58	12.7	156
	F	107	13.3	164
Thiessen, R.	M	24	13.4	154
	F	15	15.0	159
Turko, D. (P)	M	4	17.4	219
	F	1	18.7	218
Wakeena Farm	M	7	13.4	187
	F	13	14.5	194
Groot, C. (G)	M	8	12.9	155
	F	13	12.8	167
Klok, P. (G)	M	1	9.1	189
	F	10	13.8	173
Ranchview Test Barn (G)	M	5	14.1	159
	F	51	13.4	175
Ranchview "B" (G)	M	70	12.4	161
	F	177	13.7	171

LACOMBE

Bloomsbury Farms (P)	M	316	14.5	156
	F	372	15.8	162
Five Lakes Farms (P)	M	101	12.0	176
	F	103	13.3	184
Gwynne Vista Farms (P)	M	79	13.0	178
	F	144	14.2	187

SEEDSTOCK
HAMPSHIRE

BREEDER	SEX	NUMBER TESTED	AVERAGE BACKFAT (MM) @ 100 KG	AGE TO 100 KG (DAYS)
Bloomsbury Farms (P)	M	128	12.4	168
	F	86	13.5	174
Braat, J. (P)	M	15	13.5	149
		31	15.5	157
Brownlee, J. (P)	M	65	12.1	185
	F	69	13.3	193
Deschner Hog Farm (P)	M	2	13.8	196
	F	5	14.1	191
Five Lakes Farms (P)	M	114	11.3	202
	F	92	11.9	204
Gwynne Vista Farms (P)	M	13	11.4	172
	F	11	13.2	185
Lakeland College (P)	M	7	11.8	189
	F	7	13.0	182
Leaning Spruce (P)	M	19	11.6	172
	F	76	12.9	182
Matejka, G. (P)	M	5	10.9	157
	F	2	10.8	147
Norest Farms (P)	M	7	12.7	188
	F	26	14.6	192
Papenhuyzen, C. Sr. (P)	M	36	11.5	184
	F	50	13.6	194
Reiter Farms (P)	M	22	12.5	172
	F	14	14.6	172
Turko, D. (P)	M	5	15.1	165
	F	2	16.0	167
Vandenberg J. (P)	M	2	13.7	167
	F	2	13.5	177
Milne, B. (G)	M	3	10.1	155
	F	2	13.3	158

HAMPSHIRE (con't)

BREEDER	SEX	NUMBER TESTED	AVERAGE BACKFAT (MM) @ 100 KG	AGE TO 100 KG (DAYS)
Neufeld Farms (G)	M	7	13.8	159
	F		none	
Ranchview Test Barn (G)	M	11	13.1	161
	F	13	14.6	181

SEEDSTOCK
DUROC

BREEDER	SEX	NUMBER TESTED	AVERAGE BACKFAT (MM) @ 100 KG	AGE TO 100 KG (DAYS)
Acadia Breeders (P)	M	5	14.5	166
	F	6	16.4	182
Braat, J. (P)	M	8	13.9	157
	F	26	14.5	168
Deschner Hog Farm (P)	M	2	13.2	183
	F	2	15.2	178
Kemm, F & V (P)	M	27	13.8	167
	F	44	15.1	176
Lakeland College (P)	M	29	13.6	165
	F	35	15.9	169
Maschmeyer, G. (P)	M	100	13.3	159
	F	77	14.4	163
Matejka, G. (P)	M	60	13.4	158
	F	37	14.7	166
Milne, B. (P)	M	21	12.5	156
	F	13	13.3	161
Neufeld Farms (P)	M	63	14.9	152
	F	31	15.4	165
Papenhuyzen, C.W. (Jr.) (P)	M	28	13.0	181
	F	22	14.3	188
Reiter Farms (P)	M	54	14.9	159
	F	52	16.6	168
Thiessen, R. (P)	M	17	15.8	158
	F	11	17.8	164
Vandenberg, J. (P)	M	91	14.6	174
	F	25	15.8	179
Ranchview Test Barn (G)	M	63	12.2	162
	F	89	13.6	170
Ranchview "B" (G)	M	1	12.0	148

RED WATTLE

Penalta Farm	M	56	16.5	186
	F	62	18.9	193

SEEDSTOCK SECTION

CROSSBRED OR COMMERCIAL PIGS

BREEDER	SEX	NUMBER TESTED	AVERAGE BACKFAT (MM) @ 100 KG	AGE TO 100 KG (DAYS)
Acadia Breeders	M	22	13.8	150
	F	56	14.6	163
Barrett, R.	F	23	16.4	158
Bloomsbury Farms	M	92	14.5	151
	F	175	15.9	158
Blue Diamond Enterprises	M	39	16.5	157
	F	51	17.7	172
Braat, J.	M	71	13.1	148
	F	199	14.1	156
Deschner Hog Farm	M	68	13.6	170
	F	137	15.0	179
Eringfeld, B.	M	1	10.0	161
	F	13	13.5	183
Five Lakes Farms	M	7	13.9	158
Kemm, F & V	F	7	13.0	163
Klok, P.	F	71	13.3	171
Groot, C.	M	62	13.0	154
	F	169	13.7	169
Gwynne Vista Farm	M	6	16.4	157
	F	183	14.1	181
Huvenaars, A.	M	17	11.7	160
	F	44	13.1	167
Lakeland College	M	2	14.1	173
	F	13	14.8	172
Leaning Spruce Farm	M	6	11.6	161
	F	5	15.8	166

CROSSBRED OR COMMERCIAL PIGS (con't)

BREEDER	SEX	NUMBER TESTED	AVERAGE BACKFAT (MM) @ 100 KG	AGE TO 100 KG (DAYS)
Maschmeyer, G.	M	13	12.1	143
	F	14	14.4	153
Meadowview Livestock	F	99	14.8	189
Milne, B.	M	25	11.5	149
	F	111	12.6	156
Montgomery, Wm.	F	19	14.4	182
Neufeld Farms	M	151	14.6	149
	F	1	14.9	157
Northridge Ent.	F	552	14.5	163
Ranchview "B"	M	53	12.4	161
	F	134	14.3	172
Ranchview Test	M	728	12.6	156
	F	114	14.8	165
Reiter Farms	M	62	14.1	160
Thiessen, R.	M	8	16.4	158
	F	22	16.0	160
Vandenberg, J.	M	27	15.3	162
	F	7	17.7	163
Weber Farms	F	5	14.8	169

COMMERCIAL HERDS

YORKSHIRE

BREEDER	SEX	NUMBER TESTED	AVERAGE BACKFAT (MM) @ 100 KG	AGE TO 100 KG (DAYS)
Hutterville Colony (P)	F	4	15.2	174
Gollnick Farms (G)	M	17	14.0	180
	F	15	13.3	178
Slingerland, Wm (P)	M	2	14.2	160
Tersteeg Farms (P)	F	20	15.3	182

LANDRACE

Gollnick Farms (G)	M	7	11.8	171
	F	7	13.5	181

CROSSBRED OR COMMERCIAL PIGS

Fairview College	F	56	15.2	174
Gollnick Farms	M	12	12.1	157
	F	509	14.4	169
Hutterville Colony	F	11	16.1	173
Lenz Farms	F	126	16.4	168
Little, J.	F	80	15.8	191
Olds College	F	400	16.2	172
Plain Lake Colony	M	4	15.7	166
	F	271	16.1	182
Slingerland, W.	M	6	12.3	148
	F	21	13.8	153
Tersteeg Farms	F	73	14.2	179

TABLE X

SOW PRODUCTIVITY AND MANAGEMENT PROGRAM

18 Active Herds

	YORKS	LAND	LAC	HAMP	DUROC	REDS	COMM	TOTAL
Litters Weaned	798	425	105	176	48	1	905	2,458
Pigs Weaned	6,969	3,762	826	1,265	380	3	7,761	20,966
Services/Farrowing	1.3	1.0	1.1	1.2	1.1	1.0	1.1	1.2
Farrowing Interval (Days)	164	158	163	158	162	148	162	162
Weaning to Conception (Days)	17.6	13.4	22.5	12.5	13.8	5.0	18.2	16.8
Total Born/Litter	11.1	11.1	10.2	9.8	10.9	3.0	11.0	10.9
Born Live/Litter	9.8	9.8	8.9	8.7	9.3	3.0	9.6	9.6
Pre-Wean Mortality (%)	13.8	12.3	20.2	18.8	18.9	0.0	11.6	13.4
Pigs Weaned/Litter	8.7	8.9	7.9	7.2	7.90	3.0	8.6	8.5
Litters/Sow/Year	2.2	2.3	2.2	2.3	2.3	2.5	2.3	2.3
Pigs Weaned Per Sow Per Year	19.1	20.5	17.4	16.6	18.2	7.5	19.8	19.6
Kg of Pigs at 21 Days Per Sow Per year	108.9	129.3	108.9	93.2	106.3	61.5	115.0	115.5

REDS - Red Wattle

The herds which are on the Sow Productivity Program are not necessarily the same ones that are on the performance testing program.